

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 09/03/2021 08:48 AM
Cytometer Baseline: 06/17/2021 09:50 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 12757 **Expiration Date:** 06/30/2022
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124437	-1	1.26	124340	1.26
Blue	F	SSC	125000	124614	-1	2.73	124914	2.67
Blue	E	FITC	13131	12775	-3	2.27	295	15.04
Blue	D	PE	24112	23856	-2	1.72	547	10.81
Blue	B	PerCP-Cy5-5	31295	30819	-2	3.06	1025	14.23
Blue	A	PE-Cy7	19939	20017	0	5.13	531	28.22
Red	C	APC	42122	41814	-1	2.96	1751	11.01
Red	A	APC-Cy7	22340	21668	-4	3.29	811	11.44
Violet	B	V450	7410	6991	-6	3.68	431	12.27
Violet	A	V500	28118	26980	-5	3.33	676	9.84

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22851	1.00	565	-4	N/A	N/A	Pass
Blue	F	SSC	58079	1.07	516	4	N/A	N/A	Pass
Blue	E	FITC	55	53.22	483	-4	0.0471	151	Pass
Blue	D	PE	116	36.16	486	-2	0.3917	278	Pass
Blue	B	PerCP-Cy5-5	191	35.41	581	-5	0.0209	86	Pass
Blue	A	PE-Cy7	108	66.33	624	-4	0.0238	5	Pass
Red	C	APC	407	23.67	577	1	0.0313	280	Pass
Red	A	APC-Cy7	181	27.05	550	-1	0.0066	1062	Pass
Violet	B	V450	61	59.30	458	5	0.0585	1878	Pass
Violet	A	V500	98	33.98	470	5	0.0263	843	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.62	-31.46	1.02
Blue	20.35	16.28 - 24.42	1.29	1.02 - 1.52	0.00	0.00	1.43
Red	15.41	13.60 - 20.40	N/A	N/A	29.78	30.04	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 9922

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.70

Comments